

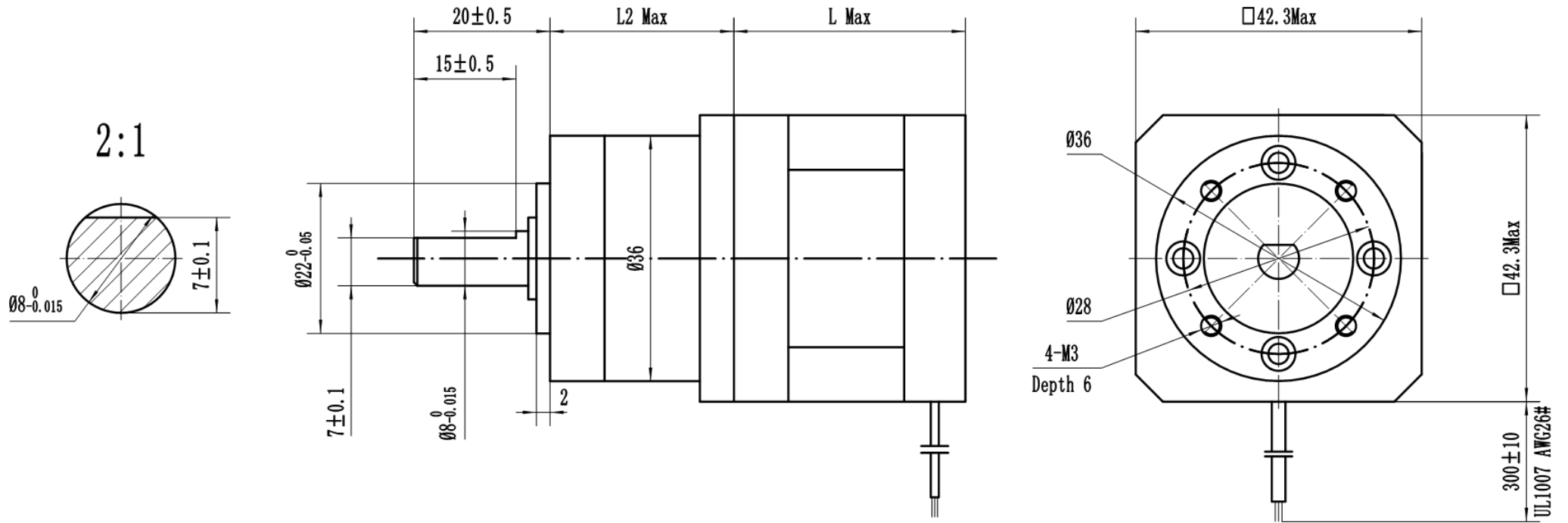
NEMA17 Hybrid Planetary Reducer Stepper Motor (1.8°) With 36mm planetary Reducer



Technical Parameter of the 36mm Planetary Reducer

项目 Ltem		1级 (Level 1)	2级 (Level 2)	3级 (Level 3)	4级 (Level 4)
减速比The Gear Ratio	i	3.71、5.18	13.7、19.2、 26.8	51.9、71.1、 99.5、139.1	189.5、263.5、 369.3、515.7、 720
长度Length (L2)	mm	27	35	43	51
额定负载Edingfuzai	Nm	1	2	4	6
最大负载The Maximum Load	Nm	2.5	5	8	12
额定转速Rated Speed	rpm	3000	3000	3000	3000
最大转速Maximum Speed	rpm	5000	5000	5000	5000
效率Efficiency	%	93	85	77	69
回差Return Difference	arcmin	≤60	≤75	≤95	≤120
噪音Noise	dB	≤45	≤45	≤45	≤45
寿命Life	h	8000	8000	8000	8000
重量Weight	g	155	205	250	300

Drawing of the stepper motor



Size: mm

Technical Specification

型号 Model	相数 Number of phase	电流 Current	电阻 Resistance	电感 Inductance	保持转矩 Holding Torque	转动惯量 Rotor Inertia	定位力矩 Detent Torque	重量 Weight	机身长度 Length (L)
		A	Ω	mH	Kg. cm	$g. cm^2$	g. cm	Kg	mm
MR42HS34-4040	2	0.4	30	37	2.5	38	120	0.2	34
MR42HS34-4080	2	0.8	7.5	11	2.2				
MR42HS34-4100	2	1	3.2	5	2.8				
MR42HS34-4150	2	1.5	1.1	1.6	2.0				
MR42HS40-4050	2	0.5	25	50	4.0	58	180	0.25	40
MR42HS40-4085	2	0.85	6.6	11	3.6				
MR42HS40-4100	2	1	5	11.2	4.0				
MR42HS40-4150	2	1.5	1.6	2.8	4.0				
MR42HS48-4040	2	0.4	30	45	5.2	82	240	0.35	48
MR42HS48-4085	2	0.85	6.6	11	5.2				
MR42HS48-4100	2	1	7.3	12	5.2				
MR42HS48-4150	2	1.5	2	3.85	5.2				

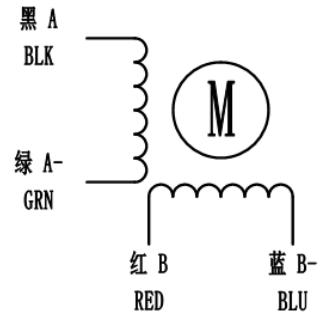
注：以上数据仅供参考，具体参数可根据要求定制。

Note: the above data are for reference only, and the specific parameters can be customized according to requirements.

Wires Instruction

2 Phase Stepper Motor

4 Wires (Unipolar)



The electrifying sequence
Bipolar full step driven

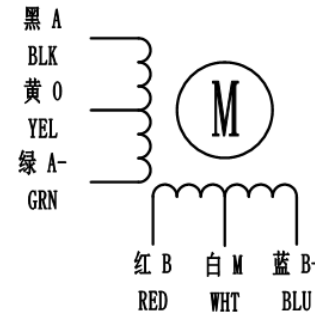
步序	A	B	A-	B-
1	+	+	-	-
2	-	+	+	-
3	-	-	+	+
4	+	-	-	+

Clockwise

Anticlockwise

Use the flat in front of the motor's upper end cover as the reference plane.

6 Wires (Bipolar)



The electrifying sequence
Unipolar full step driven

步序	A	B	A-	B-	0	M
1	-	-			+	+
2		-	-		+	+
3			-	-	+	+
4	-			-	+	+

Clockwise

Anticlockwise

Use the flat in front of the motor's upper end cover as the reference plane.

4 Wires (Bipolar)

6 Wires (Unipolar)

Customized Service

- 1, The shaft can be customized based on customer's requirement of device connecting.
- 2, The coil winding and height of the motor can be customized based on customer's requirement about the torque, speed and others.
- 3, The wires can be customized, which includes lead, terminal of lead tape, socket and others





